



## COUNTY OF LOS ANGELES

### CHIEF INFORMATION OFFICE


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October 15, 2007

To: Supervisor Zev Yaroslavsky, Chairman  
Supervisor Gloria Molina  
Supervisor Yvonne B. Burke  
Supervisor Don Knabe  
Supervisor Michael D. Antonovich

From: Jon W. Fullinwider   
Chief Information Officer

Subject: **LOS ANGELES REGIONAL IMAGERY ACQUISITION CONSORTIUM 2  
(LAR-IAC 2)**

In a memorandum dated June 19, 2007, I notified your Board of the successful completion of the Los Angeles Regional Imagery Consortium (LAR-IAC) 1. The LAR-IAC 1 is a multi-jurisdictional purchasing arrangement comprised of ten County departments, 32 cities, and six agencies that enabled the participating governments to benefit from combined economies of scale leading to the efficient and cost-effective acquisition of high definition aerial imagery at significant cost savings.

### **BACKGROUND**

Digital aerial imagery provides numerous benefits to the County and participating local governments/agencies. A striking example of the benefits of the project was demonstrated during this summer's Catalina Island Fire, where newly released LAR-IAC 1 data supported the County's response to this emergency and assisted in protecting lives and public property.

LAR-IAC 1 was completed on-time and within budget at a cost of \$5.8 million. The expenditure resulted in a direct consortium savings exceeding \$5.7 million. LAR-IAC 1 was recently recognized by the National Association of Counties as an exemplary program and we have also received numerous inquiries from California counties and other states seeking to replicate the program.

In proceeding with LAR-IAC 1, your Board's support was critical in ensuring sufficient funding was available to bridge any shortfalls while committed funding from the participating agencies was being received. In this context, your Board approved bridge funding in the amount of \$1.0 million from the Information Technology Fund (ITF). At the conclusion of the LAR-IAC 1 project, all bridge funds were repaid resulting in a \$600,000 surplus that has been identified for future project updates (i.e., LAR-IAC 2).

## **LAR-IAC 2**

Given the success of the LAR-IAC 1 project, consortia members have recommended that the planned two year update cycle should be pursued. Consequently, LAR-IAC 2 will be established with flights to provide updated aerial imagery during the winter months of 2007/08. This would result in the delivery of processed image data in the December 2008 timeframe with the finished product providing the same resolution and accuracy as LAR-IAC 1 products. The products within the LAR-IAC 2 project will include:

- Aerial orthophoto (top-down) imagery with 4 inch pixel resolution in urban areas and 1 foot pixel resolution in National Forest areas;
- Oblique (side-view) aerial imagery with 4 inch pixel resolution in urban areas;
- Updated elevation data only where development has changed the surface elevation; and
- Quality control and distribution of all data products from the independent vendor.

The ability to have updated aerial imagery every two years allows for direct comparison of identical locations for the purpose of identifying areas of change. This will provide participants the ability to detect and analyze changes, keep emergency responders up to date, ensure permit compliance, provide validation of planning, and support service integration and delivery across the County.

It is currently anticipated that LAR-IAC 2 costs will represent a 48% reduction when compared to LAR-IAC 1, (\$5.8 million for LAR-IAC 1 vs. \$3.0 million for LAR-IAC 2). This cost reduction is attributed in part to the fact that not all data imagery products, particularly the elevation data, needs to be refreshed. However, the largest component of savings will be derived from the selection of a single vendor for data acquisition, which will reduce the number of aircraft and resultant flights required to acquire the image data. This opportunity to consolidate flights is due to changes in technology that were not available when we undertook LAR-IAC 1.

LAR-IAC 2 will be funded by a combination of LAR-IAC 1 surplus revenues and LAR-IAC 2 participant contributions. To ensure full project cost recovery, my Office requested that participants commit to the project by signing a letter of intent to join LAR-IAC 2. As of October 1, 2007, 22 cities, 9 County departments, and one federal agency have returned letters of intent resulting in a commitment of \$3.3 million toward LAR-IAC 2. The current list of participants and funding commitments is attached.

### **PLANNED BOARD REQUEST**

Due to the compressed timeframes required to identify and award the LAR-IAC 2 contracts (imagery acquisition, quality assurance/control, and delivery services) to meet this winter's acquisition of the new aerial imagery, we plan to request your Board's approval of \$2.0 million from the ITF for bridge funding next month. This funding will supplement the \$1.0 million in available funding (\$600,000 from LAR-IAC 1 surplus revenues and \$400,000 in participant contributions received for LAR-IAC 2) and will be used to encumber the necessary funding for the project contracts, while contributions for participating jurisdictions are collected. Similar to the LAR-IAC 1 project, it is anticipated that any bridge funding used to support LAR-IAC 2 will be repaid to the ITF.

Should you have any questions, please contact me or have your staff contact Mark Greninger of my Office at (213) 974-2154 or via e-mail at [mgreninger@cio.lacounty.gov](mailto:mgreninger@cio.lacounty.gov).

JWF:MG:ygd

Attachment

c: Chief Executive Officer  
County Counsel  
Director, Regional Planning Department

**LAR-IAC 2 Participants  
as of October 1, 2007**

<b>Cities</b>	<b>Commitment</b>
Burbank	\$ 38,812
Carson	37,800
Cerritos	19,693
City Of Industry	26,670
Claremont	28,000
Covina	18,000
Culver City	16,435
Diamond Bar	34,300
Glendale	61,686
La Canada Flintridge	15,400
La Habra Heights	13,300
Lakewood	22,862
Los Angeles	550,000
Manhattan Beach	16,100
Monterey Park	19,600
Palmdale	80,500
Pasadena	51,941
Pomona	53,200
Santa Clarita	64,441
Santa Monica	23,057
Torrance	51,400
Whittier	35,700
<b>Total</b>	<b>1,278,898</b>
<b>County</b>	
Agricultural Commission/Weights and Measures	175,000
Office of the Assessor	412,300
Department of Beaches & Harbors	14,000
Public Health	210,000
Health Services	210,000
Department of Public Works	388,500
Department of Regional Planning	209,300
Registrar-Recorder/County Clerk	175,000
Internal Services Department	50,000
<b>Total</b>	<b>1,844,100</b>
<b>Other Agencies</b>	
US Geological Survey	200,000
<b>Total</b>	<b>200,000</b>
<b>GRAND TOTAL</b>	<b>\$ 3,322,998</b>